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Cover—Long term potentiation of dendritically recorded EPSCS from a hippocampal CA1 neurone, superimposed on a confocal image of living cultured hippocampal neurones labelled with an antibody which recognises all AMPA receptor subunits. Data kindly provided by Andreas Lüthi, Elek Molnár and Jacques Noël, University of Bristol, U.K.

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